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TECH CENTER



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#21

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/913,927C

DATE: 03/10/2003

TIME: 13:27:16

Input Set : A:\SEQLIST.txt

Output Set: N:\CRF4\03102003\I913927C.raw

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4 <110> APPLICANT: Ulrich Schubert
5      Peter Henklein
6      Victor Wray
8 <120> TITLE OF INVENTION: SYNTHETIC PEPTIDE OF REGULATORY VIRUS
9      PROTEIN R (VPR) OF HUMAN IMMUNODEFICIENCY VIRUS TYPE 1
10     (HIV-1) AND THE UTILIZATION THEREOF
13 <130> FILE REFERENCE: 151.2USW0
15 <140> CURRENT APPLICATION NUMBER: 09/913,927C
16 <141> CURRENT FILING DATE: 2002-01-14
18 <150> PRIOR APPLICATION NUMBER: PCT/DE00/00525
19 <151> PRIOR FILING DATE: 2002-02-19
21 <150> PRIOR APPLICATION NUMBER: DE 199 08 752.0
22 <151> PRIOR FILING DATE: 1999-02-19
24 <150> PRIOR APPLICATION NUMBER: DE 199 08 766.0
25 <151> PRIOR FILING DATE: 1999-02-19
27 <160> NUMBER OF SEQ ID NOS: 11
29 <170> SOFTWARE: FastSEQ for Windows Version 4.0
31 <210> SEQ ID NO: 1
32 <211> LENGTH: 96
33 <212> TYPE: PRT
34 <213> ORGANISM: Artificial Sequence
36 <220> FEATURE:
37 <223> OTHER INFORMATION: Synthetic peptide of regulatory virus proteins R
38     (vpr) of human immunodeficiency virus type 1
39     (HIV-1)
41 <400> SEQUENCE: 1
42 Met Glu Gln Ala Pro Glu Asp Gln Gly Pro Gln Arg Glu Pro Tyr Asn
43 1          5          10          15
44 Glu Trp Thr Leu Glu Leu Leu Glu Glu Leu Lys Ser Glu Ala Val Arg
45 20          25          30
46 His Phe Pro Arg Ile Thr Leu His Asn Leu Gly Gln His Ile Tyr Glu
47 35          40          45
48 Thr Tyr Gly Asp Thr Trp Ala Gly Val Glu Ala Ile Ile Arg Ile Leu
49 50          55          60
50 Gln Gln Leu Leu Phe Ile His Phe Arg Ile Gly Cys Arg His Ser Arg
51 65          70          75          80
52 Ile Gly Val Thr Arg Gln Arg Arg Ala Arg Asn Gly Ala Ser Arg Ser
53 85          90          95
55 <210> SEQ ID NO: 2
56 <211> LENGTH: 47
57 <212> TYPE: PRT
58 <213> ORGANISM: Artificial Sequence
60 <220> FEATURE:

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61 <223> OTHER INFORMATION: Synthetic peptide of regulatory virus proteins R
 62 (vpr) of human immunodeficiency virus type 1
 63 (HIV-1)

65 <400> SEQUENCE: 2

66 Met Glu Gln Ala Pro Glu Asp Gln Gly Pro Gln Arg Glu Pro Tyr Asn

67 1 5 10 15

68 Glu Trp Thr Leu Glu Leu Leu Glu Glu Lys Ser Glu Ala Val Arg

69 20 25 30

70 His Phe Pro Arg Ile Thr Leu His Asn Leu Gly Gln His Ile Tyr

71 35 40 45

73 <210> SEQ ID NO: 3

74 <211> LENGTH: 49

75 <212> TYPE: PRT

76 <213> ORGANISM: Artificial Sequence

78 <220> FEATURE:

79 <223> OTHER INFORMATION: Synthetic peptide of regulatory virus proteins R
 80 (vpr) of human immunodeficiency virus type 1

81 (HIV-1)

83 <400> SEQUENCE: 3

84 Glu Thr Tyr Gly Asp Thr Trp Ala Gly Val Glu Ala Ile Ile Arg Ile

85 1 5 10 15

86 Leu Gln Gln Leu Leu Phe Ile His Phe Arg Ile Gly Cys Arg His Ser

87 20 25 30

88 Arg Ile Gly Val Thr Arg Gln Arg Arg Ala Arg Asn Gly Ala Ser Arg

89 35 40 45

90 Ser

93 <210> SEQ ID NO: 4

94 <211> LENGTH: 15

95 <212> TYPE: PRT

96 <213> ORGANISM: Artificial Sequence

98 <220> FEATURE:

99 <223> OTHER INFORMATION: Synthetic peptide of regulatory virus proteins R
 100 (vpr) of human immunodeficiency virus type 1

101 (HIV-1)

103 <400> SEQUENCE: 4

104 Gln Arg Glu Pro Tyr Asn Glu Trp Thr Leu Glu Leu Leu Glu Glu

105 1 5 10 15

107 <210> SEQ ID NO: 5

108 <211> LENGTH: 15

109 <212> TYPE: PRT

110 <213> ORGANISM: Artificial Sequence

112 <220> FEATURE:

113 <223> OTHER INFORMATION: Synthetic peptide of regulatory virus proteins R
 114 (vpr) of human immunodeficiency virus type 1

115 (HIV-1)

117 <400> SEQUENCE: 5

118 Asn Leu Gly Gln His Ile Tyr Glu Thr Tyr Gly Asp Thr Trp Ala

119 1 5 10 15

121 <210> SEQ ID NO: 6

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123 <212> TYPE: PRT
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Synthetic peptide of regulatory virus proteins R
128     (vpr) of human immunodeficiency virus type 1
129     (HIV-1)
131 <400> SEQUENCE: 6
132 Ile Tyr Glu Thr Tyr Gly Asp Thr Trp Ala Gly Val Glu Ala Ile
133 1           5           10           15
135 <210> SEQ ID NO: 7
136 <211> LENGTH: 15
137 <212> TYPE: PRT
138 <213> ORGANISM: Artificial Sequence
140 <220> FEATURE:
141 <223> OTHER INFORMATION: Synthetic peptide of regulatory virus proteins R
142     (vpr) of human immunodeficiency virus type 1
143     (HIV-1)
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146 Gly Val Glu Ala Ile Ile Arg Ile Leu Gln Gln Leu Leu Phe Ile
147 1           5           10           15
149 <210> SEQ ID NO: 8
150 <211> LENGTH: 20
151 <212> TYPE: PRT
152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Synthetic peptide of regulatory virus proteins R
156     (vpr) of human immunodeficiency virus type 1
157     (HIV-1)
159 <400> SEQUENCE: 8
160 Met Glu Gln Ala Asn Glu Asp Gln Gly Asn Gln Arg Glu Asn Tyr Asn
161 1           5           10           15
162 Glu Trp Thr Leu
163           20
165 <210> SEQ ID NO: 9
166 <211> LENGTH: 20
167 <212> TYPE: PRT
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Synthetic peptide of regulatory virus proteins R
172     (vpr) of human immunodeficiency virus type 1
173     (HIV-1)
175 <400> SEQUENCE: 9
176 Glu Leu Leu Glu Glu Leu Lys Ser Glu Ala Val Arg His Phe Asn Arg
177 1           5           10           15
178 Ile Trp Leu His
179           20
181 <210> SEQ ID NO: 10
182 <211> LENGTH: 15

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183 <212> TYPE: PRT
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: sVpr66-80
189 <400> SEQUENCE: 10
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193 <210> SEQ ID NO: 11
194 <211> LENGTH: 21
195 <212> TYPE: PRT
196 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: sVpr76-96
201 <400> SEQUENCE: 11
202 Cys Arg His Ser Arg Ile Gly Val Thr Arg Gln Arg Arg Ala Arg Asn
203 1 5 10 15
204 Gly Ala Ser Arg Ser
205 20

VERIFICATION SUMMARY

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